Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No: First and Final Bill (For Other Works) Date……..20

Division: **Yelahanka** Sub-Division: **Yelahanka Satelite Town Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……..
Sub Divisional **Work Code: 004-20-000022**

Schedule Docket No. Head of Account: P-3748 Est.Cost- **60 Lakhs**

Name of Work: **Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division**

Name of Contractor and Full Address: **Executive Engineer ,KRIDL ,Bangalore.**

Reference to Agreement No: **EE(Project)/Ynk Zone/WO/70/2019-20** Date: **06-11-2019**

Certified that the measurements were taken by me on 24/02/2020 and recorded of Pages 220376 to 390 of measurement Book No. 07/2018-19 .and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Certified that the measurement were taken by me on 24.02.2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Gross:	59,78,570=00
2)	Deduct amount to be held in reserve being ……..percent Rs……	2% IT	1,19,571=00
3)	" Balance	1% CESS	59,786=00
4)	Deduct Payment:	1% CGST	52,545=00
a)	Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…….. Amount adjusted towards cash advance recovery of	1% SGST	52,545=00
b)	Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	0.1% CGF	5,979=00
		5% FSD	2,98,928=00
5)	Balance being unpaid value of work done held in reserve.		
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	T/D	5,89,356=00
7)	Net amount due to or from Contractor unadjustments items.	Payable:	53,89,216=00
8)	Advance to Contractor for materials brought to site (as detailed) within.		
9)	Value of Government materials supplied.		
	Total amount adjusted -		

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Stamp

Audited & Admitted for Rs.....
Rs. 59,78,570/-
Rs. 53,89,216/- by Cheque
and Rs. 5,89,356/- by Adjustment

Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……

Initials of Officer making payment

17/3/2020
Accts. Supdt.
Project Division
B.B.M.P.

Executive Engineer
Exe. Engineer
Project Division
B.B.M.P
17/3/20

ABSTRACT

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
1	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 Page no 96 item no 13.73.1	m	30.00	-	-	-	30	354.24	10627.2	30.00	10627.20	
2	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.4 / 13.9 Page no 96. item no 13.76	m	90.00	-	-	-	90	127.44	11469.6	90.00	11469.60	
3	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 160mm outer dia. Page no 77. item no 11.56.4	m	90.00	-	-	-	90	1352.16	121694.4	90.00	121694.40	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
4	Constructing brick masonry inspection chamber 600x850mm, and 450mm depth, (clear inside dimension) for pipeline with three or more inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal , foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS Page no76 item no 11.54	Each	4.00	-	-	-	4	9752.40	39009.6	4.00	39009.60	
5	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. Page no.43 item no 7.29	kg	679.92	-	-	-	679.92	119.88	81509.2699	679.92	81509.27	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
6	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.Page no 13 Item no 4.5	cum	2.70	-	-	-	2.70	5754.24	**15536.448**	**2.70**	**15536.45**	
7	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 page no 6 item no 2.3	cum	6.08	-	-	-	6.08	322.92	**1961.739**	**6.08**	**1961.74**	
8	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No 13 Item No. 4.5	cum	1.08	-	-	-	1.08	5754.24	**6214.5792**	**1.08**	**6214.58**	
9	Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page no. 96 item no 13.70.2	m	50.00	-	-	-	50	320.76	**16038**	**50.00**	**16038.00**	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
10	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page no. 96 item no 13.70.2	Nos	4.00	-	-	-	4	2373.84	9495.36	4.00	9495.36	
11	KSRB13-7.2-7 : Providing and fixing in position 100mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 Page no 95 Item no 13.65	cum	0.19	-	-	-	0.19	322.92	61.03188	0.19	61.03	
12	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 page no 6. item no 2.3	cum	0.19	-	-	-	0.19	5754.24	1087.55136	0.19	1087.55	
13	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. page no13 item no 4.5	m	18.00	-	-	-	18	927.72	16698.96	18.00	16698.96	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
14	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) page no 266 item no 37.2	sqm	21.70	-	-	-	21.7	772.20	16756.74	21.70	16756.74	
15	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint Page no 266 item no 37.3	sqm	21.70	-	-	-	21.7	102.60	2226.42	21.70	2226.42	
16	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. page no 123 item no 15.74	nos	2.00	-	-	-	2	22122.72	44245.44	2.00	44245.44	
17	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)	Cum	67.82	-	-	-	67.82	5754.24	390270.309	67.82	390270.31	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
18	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 119, I.No. 15.51.2 of SR 2018-19).	Sqm	940.19	-	-	-	940.19	97.20	**91386.8889**	**940.19**	**91386.89**	
19	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P. No. 119, I.No. 15.49 of SR 2018-19).	Sqm	1428.48	-	-	-	1428.48	127.44	**182046.077**	**1428.48**	**182046.08**	
20	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).	Sqm	615.30	-	-	-	615.30	110.16	**67781.3378**	**615.30**	**67781.34**	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
21	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	kg	392.70	-	-	-	392.70	119.88	47076.3365	392.70	47076.34	
22	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.299 Item No.38.30	Sqm	23.70	-	-	-	23.70	743.04	17608.5619	23.70	17608.56	
23	Pg No 128,Item No 15.73 KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications page no 123 item no.15.73	Sqm	23.70	-	-	-	23.70	44.28	1049.34744	23.70	1049.35	
24	Providing and Fixing Ambedkar Statue	No	1.00	-	-	-	1.00	185000.00	185000	1.00	185000.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
25	Open Conduit System.Supplying heavy gauge PVC conduit pipe.....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes,adhesive paste etc., and fixing using inverted woodplugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.19/20mm dia 2mm thick	Mtrs	325.00	-	-	-	325	50.00	16250	325.00	16250.00	
26	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way	Nos	16.00	-	-	-	16	145.00	2320	16.00	2320.00	
27	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.6 Way	Nos	16.00	-	-	-	16	115.00	1840	16.00	1840.00	
28	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.8 Way	Nos	16.00	-	-	-	16	140.00	2240	16.00	2240.00	
29	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 1.5 sqmm	Mtrs	800.00	-	-	-	800	20.50	16400	800.00	16400.00	
30	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 2.5 sqmm	Mtrs	3280.00	-	-	-	3280	32.00	104960	3280.00	104960.00	
31	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 4 sqmm	Mtrs	700.00	-	-	-	700	45.00	31500	700.00	31500.00	
32	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch	Nos	90.00	-	-	-	90	70.00	6300	90.00	6300.00	
33	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps 3way socket	Nos	30.00	-	-	-	30	105.00	3150	30.00	3150.00	
34	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 293.Stepped Fan Regulator.	Nos	36.00	-	-	-	36	290.00	10440	36.00	10440.00	
35	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 293.16Amps one way switch	Nos	30.00	-	-	-	30	115.00	3450	30.00	3450.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
36	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 293 /16Amps universal socket	Nos	30.00	-	-	-	30	162.00	4860	30.00	4860.00	
37	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size...mm conduit using necessary machine screws.110mm	Nos	100.00	-	-	-	100	11.00	1100	100.00	1100.00	
38	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %,Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)	Nos	30.00	-	-	-	30	2900.00	87000	30.00	87000.00	
39	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete12" Sweep (300mm)	Nos	4.00	-	-	-	4	2100.00	8400	4.00	8400.00	
40	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete15" Sweep (450mm)	Nos	4.00	-	-	-	4	4000.00	16000	4.00	16000.00	
41	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5 core 35 sqmm	Mtrs	670.00	-	-	-	670	225.00	150750	670.00	150750.00	
42	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5 core 120 sqmm	Mtrs	30.00	-	-	-	30	600.00	18000	30.00	18000.00	
43	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure25 sqmm to 75 sqmm	Mtrs	670.00	-	-	-	670	35.00	23450	670.00	23450.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
44	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.95 sqmm to150Sqmm	Mtrs	30.00	-	-	-	30	40.00	1200	30.00	1200.00	
45	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	15.00	-	-	-	15	76.00	1140	15.00	1140.00	
46	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)25mm dia	Nos	18.00	-	-	-	18	84.00	1512	18.00	1512.00	
47	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)45mm dia	Nos	6.00	-	-	-	6	194.00	1164	6.00	1164.00	
48	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.35 sqmm Long Barrel	Nos	150.00	-	-	-	150	12.44	1866	150.00	1866.00	
49	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.35 sqmm Long Barrel	Nos	150.00	-	-	-	150	20.00	3000	150.00	3000.00	
50	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.120 sqmm Long Barrel	Nos	24.00	-	-	-	24	32.00	768	24.00	768.00	
51	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode.The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	Nos	12.00	-	-	-	12	4150.00	49800	12.00	49800.00	
52	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.600x600x3mm Copper plate	Nos	12.00	-	-	-	12	6900.00	82800	12.00	82800.00	
53	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc.8 SWG Copper wire.	Mtrs	170.00	-	-	-	170	105.00	17850	170.00	17850.00	

Item no	Description of work	Unit	BOQ Qnty	Previous			Present			Total Upto Date		Remarks
				Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
54	Fabricating supplying and mounting MS box made out ...SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG	Scms	22200.00	-	-	-	22200	0.35	7770	22200.00	7770.00	
55	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board.The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete.100Amps 4x30x6mm Aluminium Strips	Mtrs	0.50	-	-	-	0.50	2050.00	1025	0.50	1025.00	
56	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40 Amps TPN	Nos	30.00	-	-	-	30	2374.00	71220	30.00	71220.00	
57	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 100Volts as per IS-694:1990.3C X 2.5Sq.mm	Mtrs	30.00	-	-	-	30	98.00	2940	30.00	2940.00	
58	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts,nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.I - Single Door 4Way SP &N	Nos	14.00	-	-	-	14	777.00	10878	14.00	10878.00	